AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS

1. (Canceled)

2. (Previously presented) The electric motor of claim 10, wherein the temperature-resistant elastic material is a silicone rubber.

3. (Previously presented) The electric motor of claim 2, wherein the cooling system is configured to allow air to flow around the winding heads.

4. (Previously presented) The electric motor of claim 10, wherein the stator is constructed with cooling bores through which the cooling air flows.

5. (Previously presented) The electric motor of claim 10, further comprising a motor housing, said stator being connected to the motor housing by webs, with the cooling flowing between the motor housing and the stator.

6. (Previously presented) The electric motor of, claim 10, wherein the grooves are lined with a groove side insulation formed from a material containing mica.

7. (Currently amended) The electric motor of, claim 10, wherein the insulation of the round wires includes at least one ~~high-temperature~~ thermoplast applied by extrusion.

8. (Previously presented) The electric motor of, claim 10, wherein the insulation of the round wires includes at least one layer of polyimide film.

9. (Canceled)

10. (Currently amended) An electric motor for a drive of a vehicle, comprising:

a rotor;

a stator formed from a laminated core and provided with grooves for arrangement of at least one winding ending in winding heads; and

a cooling system for circulating cooling air through the electric motor,

wherein the winding is formed from round wires which are each embraced by [[an]] insulation, and the winding heads are embedded in a temperature-resistant elastic material for protection against external influences, so that the electric motor satisfies at least the requirements of thermal class 200.

11. (Currently amended) A drive, in particular for a vehicle, comprising an electric motor which includes a rotor, a stator formed from a laminated core and provided with grooves for arrangement of at least one winding ending in winding heads, and a cooling system for circulating cooling air through the electric motor, wherein the winding is formed from round wires which are each embraced by [[an]] insulation, and the winding heads are embedded in a temperature-resistant elastic material for protection against external influences, so that the electric motor satisfies at least the requirements of thermal class 200.